

W. G. McMillan, Sr., Dam and Buffalo Springs Lake

OWNER

Lubbock County Water Control and Improvement District Number 1.

ENGINEER (Design)

Parkhill, Smith & Cooper, Inc. and A. H. Woolverton.

LOCATION

On the Double Mountain Fork Brazos River in Lubbock County, 9 miles southeast of Lubbock.

DRAINAGE AREA

286 square miles.

DAM

Type	Earthfill
Length	1,600 ft
Height	68 ft
Top width	20 ft
Top elevation	3,032 ft± above msl

SPILLWAY

Location	Right end of dam
Type	Concrete chute
Crest length	138 ft
Crest elevation	3,015.0 ft above msl

OUTLET WORKS (low flow)

Type	12-inch concrete pipe with valve control
Invert elevation	2,980.0 ft above msl

STATE AUTHORIZATION

Permit No. 1875 (Application No. 2038) May 29, 1957, allows storage 4,730 acre-feet of water with annual use of 300 acre-feet for municipal use, 200 acre-feet for industrial purposes, and 1,000 acre-feet for recreational use.

RESERVOIR DATA (Based on 1957 data furnished by the consulting engineers)

Capacity	4,200 acre-feet at elevation 3,015.0 ft above msl
Area	200 acres at elevation 3,015.0 ft above msl
Dead storage	250 acre-feet at elevation 2,980 ft above msl
Usable conservation storage space	3,950 acre-feet

GENERAL

Construction started	November 1958
Dam completed	September 15, 1959
Impoundment began	September 15, 1959
Water first over spillway	July 6, 1960
General contractor	Sira, Payne and Lacon
Cost of the dam	\$604,000

Name changed January 12, 1961, from Buffalo Springs Dam and Lake Buffalo Springs to W. G. McMillan, Sr., Dam and Buffalo Springs Lake.

